

Application No. 10/762,600
Amendment dated February 22, 2006
Reply to Office Action of November 30, 2005

Docket No. 1232-5255

Amendments to the Claims:

Claims 1-25 are pending in this application. Claims 1, 11, 16, 17, 21 and 25 are independent.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-25 (CANCELLED):

26 (NEW): A printing apparatus capable of printing an image on a plurality of types of printing media by selectively using a plurality of types of inks including a pigment ink and dye ink, said apparatus comprising:

a discrimination portion for discriminating whether the type of said ink used for printing the image is said pigment ink or said dye ink;

a storage portion for storing information indicating applicability relations between different types of said inks and different types of said printing media, the types of said printing media including a printing medium having the applicability relations with both said pigment ink and said dye ink, a printing medium having the applicability relation with said pigment ink but not having the applicability relation with said dye ink, and a printing medium having the applicability relation with said dye ink but not having the applicability relation with said pigment ink;

a display portion capable of displaying a plurality of types of said printing media;
display control means for controlling said display portion, on the basis of information indicating the type of said inks discriminated by said discrimination portion and said information stored in said storage portion, to display the type of said printing medium having the

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applicability relation with the type of said ink discriminated by said discrimination portion, and not to display the type of said printing medium having no applicability relation with the type of said ink discriminated by said discrimination portion; and

a selection portion for selecting, from among two or more types of said printing media displayed by said display portion, the type of said printing medium used for printing.

27 (NEW): A printing apparatus capable of printing an image on a plurality of types of printing media by selectively using a plurality of types of printing materials, said apparatus comprising:

a discrimination portion for discriminating the type of said printing material used for printing of the image;

a storage portion for storing information indicating applicability relations between different types of said printing materials and different types of said printing media;

a display portion for displaying all of the types of said printing media usable in said printing apparatus;

a selection portion for selecting, from the plurality of types of said printing media displayed by said display portion, the type of said printing medium used for printing; and

warning means for issuing a warning when the type of said printing medium selected by said selection portion does not have the applicability relation stored in said storage portion with the type of said printing material discriminated by the discrimination portion.

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28 (NEW): An information processing apparatus connected to a printing apparatus capable of printing an image on a plurality of types of printing media by selectively using a plurality of types of inks including a pigment ink and a dye ink, said apparatus comprising:

an input portion for inputting the type of said ink used by said printing apparatus;

a storage portion for storing information indicating applicability relations between different types of said inks and different types of said printing media, the types of said printing media including a printing medium having the applicability relations with both said pigment ink and said dye ink, a printing medium having the applicability relation with said pigment ink but not having the applicability relation with said dye ink, and a printing medium having the applicability relation with said dye ink but not having the applicability relation with said pigment ink;

a display portion capable of displaying a plurality of types of said printing media;

display control means for controlling said display portion, on the basis of information indicating the type of said inks inputted from said input portion and said information stored in said storage portion, to display the type of said printing medium having the applicability relation with the type of said ink inputted from said input portion, and not to display the type of said printing medium having no applicability relation with the type of said ink inputted from said input; and

a selection portion for selecting, from among two or more types of said printing media displayed by said display portion, the type of said printing medium used for printing.

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29 (NEW): A printing system including a printing apparatus capable of printing an image on a plurality of types of printing media by selectively using a plurality of types of inks including a pigment ink and dye ink, and information processing apparatus connected to said printing apparatus, said system comprising:

a discrimination portion for discriminating whether the type of said ink used for printing the image is said pigment ink or said dye ink;

a storage portion for storing information indicating applicability relations between different types of said inks and different types of said printing media, the types of said printing media including a printing medium having the applicability relations with both said pigment ink and said dye ink, a printing medium having the applicability relation with said pigment ink but not having the applicability relation with said dye ink, and a printing medium having the applicability relation with said dye ink but not having the applicability relation with said pigment ink;

a display portion capable of displaying a plurality of types of said printing media;

display control means for controlling said display portion, on the basis of information indicating the type of said inks discriminated by said discrimination portion and said information stored in said storage portion, to display the type of said printing medium having the applicability relation with the type of said ink discriminated by said discrimination portion, and not to display the type of said printing medium having no applicability relation with the type of said ink discriminated by said discrimination portion; and

a selection portion for selecting, from among two or more types of said printing media displayed by said display portion, the type of said printing medium used for printing.

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30 (NEW): A method for selecting a printing medium from among a plurality of types of printing media, on which an image is printed, when printing the image by selectively using a plurality of types of inks including a pigment ink and dye ink, said method comprising the steps of:

discriminating whether the type of said ink used for printing the image is said pigment ink or said dye ink; and

displaying reference information for selecting said printing medium on which the image is printed on the basis of the type of ink discriminated by said discriminating step,

wherein the types of said printing media include a printing medium having the applicability relations with both said pigment ink and said dye ink, a printing medium having the applicability relation with said pigment ink but not having the applicability relation with said dye ink, and a printing medium having the applicability relation with said dye ink but not having the applicability relation with said pigment ink, as said reference information, two or more types of said printing media are displayed which having the applicability relation with the type of said ink discriminated by said discrimination portion, and the type of said printing medium is not displayed which having no applicability relation with the type of said ink discriminated by said discrimination portion.

31 (NEW): A method for selecting a printing medium from among a plurality of types of printing media, on which an image is printed, when printing the image by selectively using a plurality of types of printing materials, said method comprising the steps of:

discriminating the type of said printing material used for printing the image;

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displaying, as reference information for selecting said printing medium on which the image is printed, the plurality of types of printing media adaptable to the type of said printing material discriminated by said discriminating step; and

issuing a warning when the type of said printing medium not adaptable to said type of said printing material discriminated is selected as said printing medium, on which the image is printed.

32 (NEW): A program for selecting a printing medium from among a plurality of types of printing media, on which an image is printed, when printing the image by selectively using a plurality of types of inks including a pigment ink and a dye ink, said program comprising the processes executed by a computer of:

discriminating whether the type of said ink used for printing the image is said pigment ink or said dye ink; and

displaying reference information for selecting said printing medium on which the image is printed on the basis of the type of ink discriminated by said discriminating step,

wherein the types of said printing media include a printing medium having the applicability relations with both said pigment ink and said dye ink, a printing medium having the applicability relation with said pigment ink but not having the applicability relation with said dye ink, and a printing medium having the applicability relation with said dye ink but not having the applicability relation with said pigment ink, as said reference information, two or more types of said printing media are displayed which having the applicability relation with the type of said ink discriminated by said discrimination portion, and the type of said printing medium is not

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displayed which having no applicability relation with the type of said ink discriminated by said discrimination portion.

33 (NEW): A program for selecting a printing medium from among a plurality of types of printing media, on which an image is printed, when printing the image by selectively using a plurality of types of printing materials, said program comprising the processes executed by a computer of:

discriminating the type of said printing material used for printing the image;

displaying, as reference information for selecting said printing medium on which the image is printed, the plurality of types of printing media adaptable to the type of said printing material discriminated by said discriminating step; and

issuing a warning when the type of said printing medium not adaptable to said type of said printing material discriminated is selected as said printing medium, on which the image is printed.

34 (NEW): A computer-readable storage medium storing the program for selecting a printing medium from among a plurality of types of printing media, on which an image is printed, when printing the image by selectively using a plurality of types of inks including a pigment ink and a dye ink, said program comprising the processes executed by a computer of:

discriminating whether the type of said ink used for printing the image is said pigment ink or said dye ink; and

displaying reference information for selecting said printing medium on which the image is printed on the basis of the type of ink discriminated by said discriminating step,

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wherein the types of said printing media include a printing medium having the applicability relations with both said pigment ink and said dye ink, a printing medium having the applicability relation with said pigment ink but not having the applicability relation with said dye ink, and a printing medium having the applicability relation with said dye ink but not having the applicability relation with said pigment ink, as said reference information, two or more types of said printing media are displayed which having the applicability relation with the type of said ink discriminated by said discrimination portion, and the type of said printing medium is not displayed which having no applicability relation with the type of said ink discriminated by said discrimination portion.

35 (NEW): A method for printing an image on printing media of a plurality of types by selectively using a plurality of types of inks including a pigment ink and dye ink, said method comprising the steps of:

discriminating whether the type of said ink used for printing the image is said pigment ink or said dye ink;

displaying reference information on the basis of the type of ink discriminated by said discriminating step;

selecting said printing medium on which the image is printed on the basis of the reference information; and

effecting printing on said printing medium selected by said selecting step,

wherein the types of said printing media include a printing medium having the applicability relations with both said pigment ink and said dye ink, a printing medium having the applicability relation with said pigment ink but not having the applicability relation with said dye

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ink, and a printing medium having the applicability relation with said dye ink but not having the applicability relation with said pigment ink, as said reference information, two or more types of said printing media are displayed which having the applicability relation with the type of said ink discriminated by said discrimination portion, and the type of said printing medium is not displayed which having no applicability relation with the type of said ink discriminated by said discrimination portion.